SEQUENCE LISTING

```
<110> GEKAKIS, NICHOLAS
     LLOYD, DAVID
<120> PROHORMONE CONVERTASE 1 MUTATION ASSOCIATED WITH
      OBESITY
<130> P1148US10
<140> 10/591,885
<141> 2006-09-06
<150> PCT/US05/007300
<151> 2005-03-07
<150> 60/550,611
<151> 2004-03-06
<160> 11
<170> PatentIn Ver. 3.3
<210> 1
<211> 20
<212> PRT
<213> Mus sp.
<400> 1
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asn His Lys Cys Gly Val
                  5
                                     10
Gly Val Ala Tyr
<210> 2
<211> 20
<212> PRT
<213> Homo sapiens
<400> 2
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asn His Lys Cys Gly Val
Gly Val Ala Tyr
             20
<210> 3
<211> 20
<212> PRT
<213> Sus sp.
<400> 3
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asn His Lys Cys Gly Val
                   5
                                      10
```

```
Gly Val Ala Tyr
             20
<210> 4
<211> 20
<212> PRT
<213> Rattus sp.
<400> 4
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asn His Lys Cys Gly Val
                                      10
Glv Val Ala Tyr
             20
<210> 5
<211> 20
<212> PRT
<213> Aplysia sp.
<400> 5
Cys Ala Gly Glu Val Ala Ile Gln Ala Asn Asn His Lys Cys Arg Val
                                                           15
Gly Ile Ala Tyr
<210> 6
<211> 20
<212> PRT
<213> Mus sp.
<400> 6
Cys Ala Gly Glu Val Ala Ala Ser Ala Asn Asn Ser Tyr Cys Ile Val
                   5
                                     10
Arg Ile Ala Tyr
             20
<210> 7
<211> 20
<212> PRT
<213> Mus sp.
<400> 7
Cys Ala Gly Glu Val Ala Ala Val Ala Asn Asn Gly Val Cys Gly Val
                                      10
Gly Val Ala Tyr
             20
```

```
<210> 8
<211> 20
<212> PRT
<213> Cepeae sp.
<400> 8
Cys Ala Gly Glu Val Ala Ala Glu Ala Asn Asn Thr Tyr Cys Thr Ile
                                                          15
Gly Ile Ala Pro
<210> 9
<211> 20
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<400> 9
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asp His Lys Cys Gly Val
Gly Val Ala Tyr
             20
<210> 10
<211> 20
<212> PRT
<213> Saccharomyces sp.
<400> 10
Cys Ala Gly Glu Ile Ala Met Gln Ala Asn Asn Asn Phe Cys Gly Val
Gly Val Ala Tyr
             20
<210> 11
<211> 20
<212> PRT
<213> Bacillus subtilis
Val Ala Gly Thr Val Ala Ala Gln Ala Asn Asn Asn Ser Ile Gly Val
Leu Val Ala Pro
```

20